

INTERNATIONAL SEARCH REPORT

PCT/JP, 02/02306

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L12/56 H04L29/06		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) INSPEC, WPI Data, EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SPATSCHECK O ET AL: "Optimizing TCP forwarder performance" IEEE/ACM TRANSACTIONS ON NETWORKING, APRIL 2000, IEEE/ACM, USA, vol. 8, no. 2, pages 146-157, XP002224927 ISSN: 1063-6692 Chapter III --- -/--	1-15
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 13 December 2002		Date of mailing of the international search report 20. 01. 2003
Name and mailing address of the ISA European Patent Office, P.B. 6818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer ANDERS EDLUND/JA A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ZHE XIANG ET AL: "Cost-based replacement policy for multimedia proxy across wireless Internet" GLOBECOM'01. IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE (CAT. NO.01CH37270), GLOBECOM '01. IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, SAN ANTONIO, TX, USA, 25-29 NOV. 2001, pages 2009-2013 vol.3, XP002224928 2001, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-7206-9 the whole document</p> <p>---</p>	1-15
A	<p>HARI BALAKRISHNAN AND RANDY H. KATZ, COMPUTER SCIENCE DIVISION, DEPARTMENT OF EECS, UNIVERSITY OF CALIFORNIA AT BERKELY: "Explicit Loss Notification and Wireless Web Performance" TO APPEAR, PROC. IEEE GLOBECOM INTERNET MINI-CONFERENCE, SYDNEY, AUSTRALIA, [Online] November 1998 (1998-11), XP002224929 Retrieved from the Internet: <URL:http://rms.lcs.mit.edu/papers/glabeco m98/> [retrieved on 2002-12-13] page 1 -page 11</p> <p>-----</p>	1-15